

providing said lower-rate signals separately to a plurality of base stations]; and transmitting each down-converted signal to said terminal from each base station [said lower-rate signals from said base stations to the terminal].

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2. (TWICE AMENDED) A communication method for a radio LAN system including a plurality of base stations which are located at separate areas and a terminal, comprising [the steps of]:

time-divisionally distributing an input signal of a bit rate  $R$  into  $N$  signals where  $N$  is not less than 2 and where each of said  $N$  signals is [to be] sent to [a] said terminal via one of said base stations which is different from another base station of another signal [into  $N$  signals where  $N$  is greater than or equal to 2];

down-converting the bit rate of each signal into not more than  $R/N$  within a frequency which is allocated to said each base station [said distributed signals into lower-rate signals of a bit rate equal to  $R/N$ ;

providing said lower-rate signals separately to a plurality of base stations]; and transmitting said each down-converted signal to said terminal from each said base station [said lower-rate signals from said base stations to the terminal].

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6. (TWICE AMENDED) A communication system for a radio LAN system including a plurality of base stations which are located at separate areas and a terminal, comprising:

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a time-divisionally distributing unit time-divisionally distributing an input signal into at least two signals where each of said signals is sent to said terminal via one of said base stations which is different from another base station of another signal [rate-conversion-and-distribution means for time-divisionally distributing an input signal to be sent to a terminal into at least two signals and for down-converting said distributed signals into lower-rate signals];

a down-converting unit down converting each signal into no more than a frequency which is allocated to said each base station; and

a transmitter corresponding to each base station transmitting each down-converted signal to said terminal [means for providing said lower-rate signals separately to a plurality of base stations]; and

the plurality of base stations receiving the lower-rate signals and transmitting said lower-rate signals to the terminal].

CONT

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7. (TWICE AMENDED) A communication system for a radio LAN system including a plurality of base stations which are located at separate areas and a terminal, comprising:

[rate-conversion-and distribution means for] a time-divisionally distributing unit time-divisionally distributing an input signal of a bit rate  $R$  [to be sent to a terminal] into  $N$  signals where  $N$  is greater than or equal to 2 and where each of said  $N$  signals is sent to said terminal via one of said base stations which is different from another base station of another signal; [and down-converting said distributed signals into lower-rate signals of a bit rate equal to  $R/N$ ;]

a down-converting unit for down-converting the bit rate of each signal into no more than  $R/N$  within a frequency which is allocated to said each base station; and

a transmitter corresponding to each base station [transmitting means for providing said lower-rate signals separately to a plurality of base stations; and

the plurality of base stations] transmitting [said lower-rate signals from said base stations] each down-converted signal to the terminal.

REMARKS